

HUNGARY/Atonic and Molecular Physics - Statistical Physics, Ther- D-3  
modynamics

Abs Jour : Ref Zhur - Fizika, No 8, 1958, No 17727

Author : Schay G., Varsanyi G., Billes F.  
Inst : Institute of Physical Chemistry, Polytechnic University,  
Budapest  
Title : Isothermal Vapor-Liquid Phase Diagrams Determined Statistically  
by Means of Spectroscopic Analysis

Orig Pub : Period. polytechn., 1957, 1, No 2, 131-140

Abstract : The thermodynamic relations were used to derive an expression for the vapor pressure of a liquid mixture and for the coefficient of activity, in terms of the known values of the volume concentration of the components in the saturated vapor. The concentration of the components and the saturated vapor was determined spectroscopically from the intensity of the absorption spectra using a method previously described (Refrat Zhur Fizika, 1956, No 3, 8738). The formulas obtained are applied to the calculation of a ~~benzol-chlorobenzol~~ system

Card : 1/2

12

BILLES, F.

COMMUNIST CHINA / Physical Chemistry. Thermodynamics. B  
Thermochemistry. Equilibria. Physico-  
Chemical Analysis. Phase Transitions.

Abs Jour: Ref Zhur-Khimiya, No 24, 1958, 80650.

Author : Schay, G., Varsanyi, G., Billes, F.

Inst : Not given.

Title : Isothermic Equilibrium Vapor-Liquid Phase  
Diagrams Determined by Statistical Method  
with the Aid of Spectroscopic Analyses.

Orig Pub: Khuasyue syuebao, 1957, 23, No 4, 266-270.

Abstract: Precise thermodynamic relationships were incorporated, with the aid of which it is possible to construct isotherms of vapor pressure ( $p$ ) of multicomponent mixtures of liquids and to determine activity coefficients ( $\gamma$ ). The only properties that are needed in making the above determinations is the volume % concen-

Card 1/2

POLAND / Physical Chemistry. Thermodynamics. Thermo- B-3  
chemistry. Equilibria. Physicochemical Analy-  
sis. Phase Transitions.

Abs Jour: Ref Zhur-Khimiya No 2, 1959, 3835.

Author : Schay, G., Varsanyi, G., and Billes, F.

Inst : Not given.

Title : The Construction of Isothermal Diagrams for Liquid-  
Vapor Equilibria by the Static Method with the Aid  
of Spectroscopic Analysis Data.

Orig Pub: Roczniki Chem, 32, No 2, 375-385 (1958) (in Polish  
with summaries in English and Russian).

Abstract: Thermodynamic formulas are presented which make  
possible the construction of isothermal vapor  
pressure diagrams for liquid mixtures and the  
calculation of the activity coefficients of  
the components from a single set of experimental  
data giving the molar concentration of the com-

Card 1/2

23

BILLES, Ferenc, dr. (Budapest, XI., Budafoki ut 8); VARSANYI, Gyorgy, dr.,  
prof. (Budapest, XI., Budafoki ut 8)

Thermodynamical properties of associated mixtures. Acta chimica  
Hung 35 no.2:147-170 '63.

1. Department of Physical Chemistry, Technical University, Budapest.

L 33234-66 IJP(c)

ACC NR: AT 6025186

SOURCE CODE: HU/2502/65/045/004/0285/0299

AUTHOR: Billes, Ferenc--Billes, F. (Doctor) 42

ORG: Department of Physical Chemistry, Technical University, Budapest B+1

TITLE: Solution of the "redundance coordinate" problems of molecules having central structure

SOURCE: Academia scientiarum hungaricae. Acta chimica, v. 45, no. 4, 1965, 285-299

TOPIC TAGS: molecular structure, chemical bonding

ABSTRACT: General correlations have been derived for the determination of the number of internal coordinates. These correlations are applied to molecules having central structure that can be classified into three groups: 1. Spatial molecules where no more than two bond lines lie in the same plane; 2. Spatial molecules where more than two bond lines are in the same plane; and 3. Planar molecules. The correlations of the coordinates of the valence angles and azimuthal angles have been established for all three groups. The redundancy conditions of the tetrahedral molecule  $XY_3$ , of the trigonal bipyramidal molecule  $XY_5$  and of the planar molecule  $XY_3$  are described in detail as examples.

Orig. art. has: 48 formulas. [Orig. art. in Eng.] [JPRS: 33,906]

SUB CODE: 07 / SUBM DATE: 15Jul64 / ORIG REF: 002 / OTH REF: 006  
LS  
Card 1/1

L 45344-66 EWP(j) IJP(c) RM  
ACC NR: AT6033 598

SOURCE CODE: HU/2502/66/047/001/0053/0061

AUTHOR: Billes, Ferenc—Billesh, F. (Doctor)23  
8+1ORG: Department for Physical Chemistry, Technical University, BudapestTITLE: New method for the determination of vibrational force constants of molecules

SOURCE: Academia scientiarum hungaricae. Acta chemica, v. 47, no. 1, 1966, 53-61

TOPIC TAGS: molecular physics, ethylene

ABSTRACT: A new method for calculating vibrational force constants of molecules was developed. Wilson's matrices G and F (Wilson, E. B., Decius, J. C., and Cross, P. C.; Molecular Vibrations, London, McGraw-Hill Publishers, 1955) were regarded as tensors of an n-dimensional space. The method is exact rather than approximative; yet it requires no normal frequencies for isotope-substituted compounds. The application of the method to the ethylene molecule was discussed. Orig. art. has: 1 figure and 25 formulas. [Orig. art. in Eng.] [JPRS: 34,669]

SUB CODE: 20, 07 / SUBM DATE: 08Jul65 / OTH REF: 009

Card 1/1 ZC

L 45344-66 EWP(j) IJP(c) RM  
ACC NR: AT6033.598

SOURCE CODE: HU/2502/66/047/001/0053/0061

AUTHOR: Billes, Ferenc--Billesh, F. (Doctor)23  
B+1ORG: Department for Physical Chemistry, Technical University, BudapestTITLE: New method for the determination of vibrational force constants of molecules

SOURCE: Academia scientiarum hungaricae. Acta chemica, v. 47, no. 1, 1966, 53-61

TOPIC TAGS: molecular physics, ethylene

ABSTRACT: A new method for calculating vibrational force constants of molecules was developed. Wilson's matrices G and F (Wilson, E. B., Decius, J. C., and Cross, P. C.; Molecular Vibrations, London, McGraw-Hill Publishers, 1955) were regarded as tensors of an n-dimensional space. The method is exact rather than approximative; yet it requires no normal frequencies for isotope-substituted compounds. The application of the method to the ethylene molecule was discussed. Orig. art. has: 1 figure and 25 formulas. [Orig. art. in Eng.] [JPRS: 34,669]

SUB CODE: 20, 07 / SUBM DATE: 08Jul65 / OTH REF: 009

Card 1/1 LC

"APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000205320003-6

BILLEVICK, B.

"Principles of Naval Military Science," Naval Fleet, State Military Publishing House, 1936.

APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000205320003-6"

BILLEVICH, K. K.

Ob edinitsakh algebraicheskikh poley n-go poryadka. Dissertatsiya (1945).

SO: Mathematics in the USSR, 1917-1947

edited by Kurosh, A. G.

Markushevich, A. I.

Rashevskiy, P. K.

Moscow-Leningrad, 1948

BILLEVIC

SUBJECT USSR/MATHEMATICS/Number theory CARD 1/2 PG - 738  
 AUTHOR BILLEVIC K.K.  
 TITLE On the unities of algebraic fields of third and fourth order.  
 PERIODICAL Mat.Sbornik,n.Ser. 40, 123-136 (1956)  
 reviewed 5/1957

Let a lattice have the basis points  $\omega_1, \omega_2, \dots, \omega_n$ , where the first  $r$  coordinates of each basis point have the real values  $\omega_k^{(1)}, \omega_k^{(2)}, \dots, \omega_k^{(r)}$  and the other  $n-r = 2t$  coordinates have the conjugate complex values  $\omega_k^{(r+1)} = \xi_k^{(1)} + i\delta_k^{(1)}, \omega_k^{(r+2)} = \xi_k^{(1)} - i\delta_k^{(1)}$  etc. To this lattice there corresponds a lattice  $[\omega]$  the basis points of which have the real coordinates  $\omega_k^{(1)}, \omega_k^{(2)}, \dots, \omega_k^{(r)}, \xi_k^{(1)}, \delta_k^{(1)}, \dots, \xi_k^{(t)}, \delta_k^{(t)}$ . An arbitrary point of  $[\omega]$  then has the coordinates

$$\begin{aligned} \xi^{(i)} &= \omega_1^{(i)}x_1 + \dots + \omega_n^{(i)}x_n & (i=1, \dots, r) \\ \eta^{(i)} &= \xi_1^{(i)}x_1 + \dots + \xi_n^{(i)}x_n \\ \zeta^{(i)} &= \delta_1^{(i)}x_1 + \dots + \delta_n^{(i)}x_n \end{aligned} \quad \left. \right\} \quad (i=1, 2, \dots, t).$$

That region in which all coordinates except of the  $k$ -th one are not greater

Billevich, K. K.

Call Nr: AF 1108825

Transactions of the Third All-union Mathematical Congress, (Cont.,) Moscow,  
Jun-Jul '56, Trudy '56, V. 1, Sect. Rpts., Izdatel'stvo AN SSSR, Moscow, 1956, 237 pp.

COVERAGE: The volume deals with Russian contributions.  
For personalities and references see Table of Contents.

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Borozdkin, K. G. (Moscow). On I. M. Vinogradov's constant.	3
Bredikhin, B. M. (Kuybyshev). Some Problems in the Theory of Characters on Commutative Semi-group.	3-4
Val'fish, A. Z. (Tbilisi). On the Vinogradov Theorem of Three Primes.	4

Card 2/80

4

16(1)

AUTHOR: Billevich, K.K.

SOV/39-48-2-9/9

TITLE: Letter to the Editor

PERIODICAL: Matematicheskiy sbornik, 1959, Vol 48, Nr 2, p 256 (USSR)

ABSTRACT: The letter contains numerous corrections of incorrect data in the tables of the paper "On Units of Algebraic Fields of Third and Fourth Order" (Matematicheskiy sbornik, 1956, Vol 40, pp 123-136). The author thanks H.J.Godwin, University College of Swansea, Great Britain for finding these errors.

SUBMITTED: January 8, 1959

Card 1/1

BILLEVICH, K.K. (Brdzhonikidze)

Equivalence of two ideals of an algebraic field of  
n-th order. Mat. sbor. 58 no.1:17-28 S '62. (MIRA 15:9)  
(Fields, Algebraic)

BILLEVICH, K.K. (Ordzhonikidze)

Theorem on the identities of algebraic fields of the n-th  
order. Mat. sbor. 64 no.1:145-152 My '64. (MIRA 17:6)

BILLEWICZ, Irena: LAPINSKI, Adam: WITKOWSKA, Barbara

Diagnostic criteria in bacillary dysentery. Przegl.epidem. 14 no.3:  
313-319 '60.

1. Z Kliniki Chorob Zakaznych A.M. w Gdansku, Kierownik prof. dr  
W.Bincer i z Pracowni Mikrobiologii WSSE w Gdansku Kierownik:  
dr A.Lapinski  
(DYSENTERY BACILLARY diag)

BILLEWICZ, Olgierd; ZALESKA, Maria

Observation of cases of Pyle's congenital familial bone dysplasia.  
Pol. przegl. radiol 27 no.5:361-374 S-O '63.

1. Z Kliniki Radiologii i Radioterapii Akademii Medycznej w  
Gdansku (Kierownik: prof. dr W. Grabowski [deceased]), Z  
pracowni Radiologicznej Szpitala Powiatowego w Kartuzach.

BILLEWICZ, Olgierd; SOWINSKA, Janina

A case of diabetes complicated by emphysema of the bladder,  
Pol. przegl. radiol 27 no.5:435-441 S-0 '63.

l. Z Kliniki Radiologii i Radioterapii Akademii Medycznej w  
Gdańsku (Kierownik: prof. dr med. W. Grabowski) i z III  
Kliniki Chorób Wewnętrznych Akademii Medycznej w Gdańsku  
(Kierownik: prof. dr med. M. Gamski).

BILLEWICZ, Olgierd; DYBICKI, Jerzy

Lymphangioma of the mediastinum. Polski przegl. chir. 30 no.4:403-408  
Apr 58.

l. Zakladu Radiologii A. M. G. Kierownik: prof. dr W. Grabowski z II  
Kliniki Chirurgicznej A. M. G. Kierownik: prof. dr K. Debicki Gdansk-  
Wrzeszcz, ul. Fahrenheita 4.

(MEDIASTINUM, neoplasms  
lymphangioma, surg. (Pol))  
(LYMPHANGIOMA, case reports  
mediastinum, surg. (Pol))

BILEWICZ-STANKIEWICZ, J.

The works of I. P. Pavlov and his school from the field of experimental pathology. Polski tygod. lek. 7 no.3-4:93-98; contd.  
21 Jan 1952. (CLML 22:2)

1. Of the Institute of General and Experimental Pathology (Acting Head--Prof. Jan Bilewicz-Stankiewicz, M. D.) of Lublin Medical Academy.

BILLEWICZ-STANKIEWICZ, J.

The work of I. P. Pavlov and his school in the field of experimental pathology. Polski tygod. lek. 7 no. 5-6:141-146; concl. 4 Feb 1952.  
(CLML 22:4)

"APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000205320003-6

BILINWICZ-STANKIEWICZ, J.; MIZGALSKI, W.; GORNY, D.

Certain pharmacological properties of diethyl-p-nitrophenylphosphoric ester. Acta physiol. polon. 5 no.4:650-651 1954.  
(PHOSPHATE,  
diethyl p-nitrophenyl phosphate, pharmacol.)

APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000205320003-6"

**EXCERPTA MEDICA Sec.2 Vol.9/9 Physiology,etc.Sept56**

4312. BILLEWICZ-STANKIEWICZ J., MIZGALSKI W. and GÓRNY D. Zakt.  
Patol. ogóln. Akad. med., Lublin. Zakt. Chem. Farmaceut. Akad. med.,  
Lublin. \* O niektórych właściwościach farmakologicznych estru dwuetylo-  
para-nitrofenylofosforowego. Pharmacology of diethyl *p*-nitro-  
phenyl phosphate ANN.UNIV.LUBLIN, Sect.D 1954, 9 (249-290)  
Graphs 17 Tables 4

Using the manometric method, it was shown that the above-named compound (I) inhibited ChE in horse serum by 50% in a concentration  $1.82 \times 10^{-6}$  mol. In rabbits under urethan anaesthesia it was found that 0.03-0.12 mg./kg. of I caused a fall of blood pressure, most likely of peripheral vascular origin. A dose of 0.03 mg./kg. caused increase in excitability of the vagal endings and increase of the depressive action of ACh on blood pressure. Large doses (0.2-5.0 mg./kg.) usually caused a considerable increase of blood pressure, the curve resembling that after adrenalin. I in a concentration of 1:50,000 inhibited the frog heart, causing a decrease of the amplitude of contractions. A concentration of 1:20,000 caused, in addition to the decrease of amplitude, a decrease of rate. At 1:10,000 an irreversible arrest of the heart in diastole took place. Poisoning of the heart with atropine did not affect its sensitivity to I. I caused on the isolated frog eye a dilatation of the pupil in the threshold concentration of 1:5,000. In the rabbit, I after being introduced into the conjunctival sac in a concentration of 1:3,000-1:5,000, caused contraction of the pupil and a moderate drop of the intraocular pressure after an initial transitory rise. A concentration of 1:1,000-1:2,500 gave a considerable drop of the intraocular pressure, usually without initial rise. I in highly toxic and lethal doses increased reflex excitability in white mice, often causing convulsions. The opposite was observed in the frog (decrease of reflex excitability). Intestines, bot *in situ* and isolated, showed after I a considerable increase of pendular movements. After the action of I on the intestine, ACh added to Tyrode's solution did not cause any increase of pendular movements but either inhibited them or had no effect.

Billewicz-Stankiewicz - Lublin

BILLEWICZ-STANKIEWICZ

4100. BILLEWICZ-STANKIEWICZ J. and POPIK C. Dept. for Gen. Pathol., Med. Acad., Lublin. \*Analiza sympatykomimetycznego dzia³ania histaminy na izolowane jelito cienkie. Analysis of the sympathetic mimetic action of histamine on the isolated small intestine ANN.

UNIV. MARIAE CURIE-SKLODOWSKA (Lublin) 1955, 10/21 (495-508)

The oxygen consumption of slices of liver tissue of rabbits, suspensions of cells of nervous tissue and liver of white mice was examined in the Warburg apparatus. Histamine added to Ringer-Kreb's solution in concentrations 1:2000 to 1:6000 did not cause statistically significant changes of oxygen consumption in isolated tissues. Comparison of these results with data from the literature leads to the conclusion that, also under working conditions of the organism as a whole, histamine does not directly cause any changes of consumption of oxygen by tissues.

2 ZAKŁADU PATOLOGII OGÓLNEJ  
AKADEMII MEDYCZNEJ W LUBLINIE  
KIEROWNIK: doc. dr. J. Billewicz-  
STANKIEWICZ

BILLEWICZ-STANKIEWICZ, Jaroslaw; GORNY, Dionizy; CZERMINSKI, Michal

Histamine and tissue respiration. Ann. Univ. Lublin; sec.D  
10:523-529 1955.

1. Z Zakladu Patologii Ogolnej Akademii Medycznej w Lublinie  
Kierownik: doc. dr. J. Billewicz-Stankiewicz.  
(LIVER, effect of drugs on,  
histamine on tissue resp. (Pol))  
(HISTAMINE, effects,  
on liver tissue resp. (Pol))

"APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000205320003-6

BILLEVICZ-STANKIEWICZ, Jaroslaw, Lublin

Physiological basis of artificial hibernation. Przegl.lek.  
Krakow 11 no.8:225-232 1955.  
(HIBERNATION, artificial  
physiol.basis)

APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000205320003-6"

"APPROVED FOR RELEASE: 06/08/2000

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CIA-RDP86-00513R000205320003-6"

BILLEWICZ-STANKIEWICZ, J.; POPIK, C.

~~Changes of irritability of the vagus nerve following intravenous drip administration of histamine. Acta physiol. polon. 8 no.3:284-285 1957.~~

l. Z Zakladu Patologii Ogolnej A. M. w Lublinie. Kierownik: doc. dr  
J. Billewics-Stankiewicz.

(NERVES, VAGUS, effect of drugs on,  
histamine on irritability, intravenous drip. admin (Pol))

(HISTAMINE, effects,  
on vagus nerve irritability, intravenous drip. admin. (Pol))

BILLEWICZ-STANKIEWICZ, J.; GORNY, D.

Effect of hyperthermia on interoceptive reflexes. Acta physiol. polon. 8 no.3:285 1957.

1. Z Zakladu Patologii Ogolnej A. M. w Lublinie Kierownik: doc. dr J. Billewicz-Stankiewicz.

(REFLEX,

interoceptive, eff. of heat on blood pressure responses  
(Pol))

(BLOOD PRESSURE, physiology,

eff. of interoceptive stimulation in presence of heat (Pol))

(HEAT, effects,

on blood pressure responses to interoceptive stimulation  
(Pol))

BILLEWICZ-STANKIEWICZ, J.; TYBURCZYK, W.

Experimental studies on the effect of physical work on blood cholinesterase activity. Acta physiol.polon. 11 no.5/6:659-660 '60.

1. Z Pracowni Fizjopatologii Instytutu Medycyny Pracy i Higieny Wsi w Lublinie. Kierownik: prof.dr J.Billewicz-Stankiewicz Dyrektor: prof.dr dr h.c. J.Parnas.  
(EXERTION)  
(CHOLINESTERASE blood)

BILLEWICZ-STANKIEWICZ, J.; JASINSKI, A.

On changes of blood cholinesterase activity under the influence  
of histamine. Acta physiol.polon. 11 no.5/6:660-661 '60.

1. Z Zakladu Patologii Ogolnej i Doswiadczonej A.M. w Lublinie  
Kierownik: prof.dr J.Billewicz-Stankiewicz.  
(CHOLINESTERASE blood)  
(HISTAMINE pharmacol)

BILLEWICZ-STANKIEWICZ, Jaroslaw; TYBURCZYK, Wladzimierz

Experimental investigations on the influence of physical effort on  
the changes in activity of cholinesterase in blood. Ann. univ.  
Lublin sec. D 15:161-174 '60.

1. Z Pracowni Fizjopatologii Instytutu Medycyny Pracy i Higieny  
Wsi w Lublinie Kierownik: prof. dr Jaroslaw Billewicz-Stankiewicz.  
(EXERTION) (CHOLINESTERASE blood)

BILLEWICZ-STANKIEWICZ, Jaroslaw; JASINSKI, Andrzej

On changes in the blood cholinesterase activity under the influence  
of histamine. Acta physiol pol 12 no.3:347-363 '61.

l. Z Zakladu Patologii Ogolnej i Doswiadczałnej A;M. w Lublinie  
Kierownik: prof. dr. J. Billewicz-Stankiewicz.  
(CHOLINESTERASE blood) (HISTAMINE pharmacol)

BILLEWICZ-STANKIEWICZ, Jaroslaw

Experimental investigations on the role of endogenous acetylcholine  
in post-histaminic fall of blood pressure. Ann. Univ., Lublin sect.  
D 16:125-133 '61.

1. Z Katedry i Zakladu Patologii Ogolnej i Doswiadczałnej Wydziału  
Lekarskiego Akademii Medycznej w Lublinie Kierownik: prof. dr  
Jarosław Billewicz-Stankiewicz.  
(ACETYLCHOLINE) (HYPOTENSION) (HISTAMINE)

BILLEWICZ-STANKIEWICZ, Jaroslaw; AMBROZIAK, Teresa

Effect of hormones on the activity of "adrenalin oxidase" in  
the blood serum in vivo. Ann. Univ. Lublin sect. D 19:365-369  
' 64.

1. Katedra i Zaklad Patologii Ogolnej i Doswiadczałek, Wydział  
Lekarski AM w Lublinie (Kierownik: prof. dr. Jaroslaw Billewicz-  
Stankiewicz).

BILLEWICZ-STANKIEWICZ, Jaroslaw; SZCZEKALA, Zenon

Effect of stress factors on "adrenalin oxidase" in the blood serum. Ann. Univ. Lublin sect. D 19:413-417 '64

1. Katedra i Zaklad Patologii Ogolnej i Doswiadczałnej,  
Wydział Lekarski AM w Lublinie (Kierownik: prof. dr. med.  
Jaroslaw Billewicz-Stankiewicz).

BILLEWICZ-STANKIEWICZ, Jaroslaw; PAWLOWSKI, Ludwik

On the effect of metasystox on higher nervous activity of animals.  
Med. pracy 16 no.3:200-205 '65.

1. Z Instytutu Medycyny Pracy i Higieny Wsi im. W. Chodzki w Lublinie (Dyrektor: doc. dr. H. Rafalski) i z Pracowni Fizjopatologii Pracy (Kierownik: prof. dr. J. Billewicz-Stankiewicz).

BILLEWICZ-STANKIEWICZ, Jaroslaw; GOLABEK, Wieslaw; PLANDA, Anna

Modified adrenalin oxidase in the blood serum in developing animals. Ann. Univ. Lublin sect. D 19:45-51 '64

1. Katedra i Zaklad Patologii Ogolnej i Doswiadczenalnej, Wydzial Lekarski AM w Lublinie (Kierownik: prof. dr. Jaroslaw Billewicz-Stankiewics).

BILLEWICZ-STANKIEWICZ, Jaroslaw; KOSSOWSKI, Andrzej; SZCZEKALA, Zenon

Attempted determination of the nature of "adrenalin oxidase" in  
the blood serum. Ann. Univ. Lublin sect. D 19:489-495 '64.

1. Katedra i Zaklad Patologii Ogolnej i Deswiadczennej, Wydial  
Lekarski AM w Lublinie (Kierownik: prof. dr. med. Jaroslaw  
Billewicz-Stankiewicz).

SHVERNIK, Aleksandr Mikhaylovich; SOKOLOV, Anatoliy Valentinovich;  
POLUBELOV, Aleksey Sergeyevich; KISELEV, Georgiy Ivanovich;  
BERNSHTEYN, Rafail Lazarevich; SLAVUTSKIY, Samuil Oskarovich;  
NEVEL'SHTEYN, Yuriy Grigor'yevich; KONDRAZENKO, Iosif  
Fedorevich; LASKIN, Anatoliy Aronovich; LUR'YE, Zakhar  
Solomonovich; MAKAROV, Vladimir Aleksandrovich; NOVOZHILOV,  
M.G., retsenzent; BILICHENKO, N.Ya., retsenzent; VARSHAVSKIY,  
A.M., retsenzent; TARTAKOVSKIY, B.N., retsenzent. Prinimali  
uchastiya: ANTONOV, V.A., inzh.; VERBLYUNSKIY, Yu.I., inzh.;  
ZEMSKOV, P.F., otv. red.

[Overall mechanization and automatic control in strip mines]  
Kompleksnaya mekhanizatsiya i avtomatizatsiya na kar'erakh.  
Moskva, Nedra, 1964. 582 p. (MIRA 18:4)

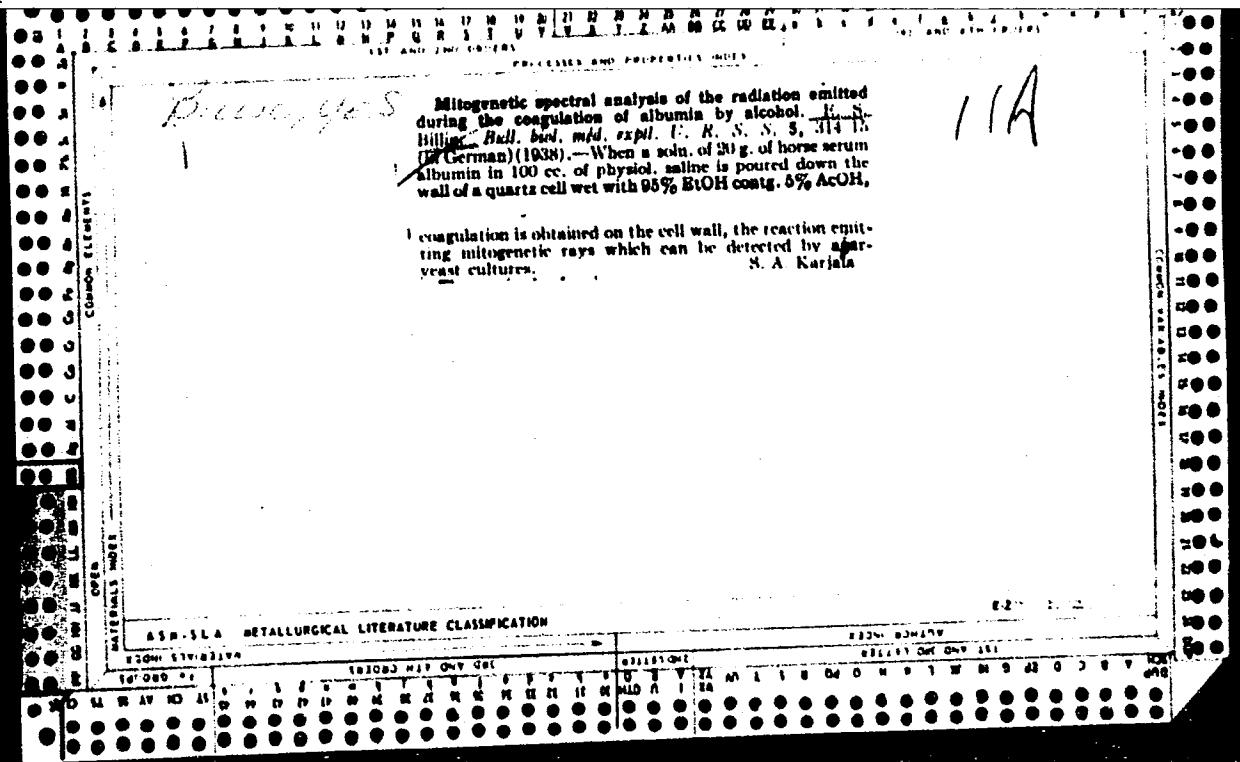
POLAND

BILLIG, Wilhelm

Government Plenipotentiary in Questions of the Use  
of Nuclear Energy (Pienomocnik Rzadu do spraw  
Wykorzystania Energii Jadrowej)

Crakow, Postepy fizyki, No 6, Nov-Dec 1965, pp 627-629

"On the occasion of the twentieth anniversary of the  
death of Ludwik Wertenstein."



REF ID: A6513		TIT AND IMP ORDERS		PROCEDURES AND PROPERTIES INDEX		TIT AND IMP ORDERS	
CA						II - A	
<p>Photodynamic action of 3,4-benzopyrene. R. S. Mullig and S. A. Nefakh. <i>Hind. Khapt. Ind. Med.</i> 12, 108 (1941). Ringer-peptone soln. contg. <i>Paramecium caudatum</i> was mixed with an ag. soln. of 3,4-benzopyrene (1:200,000) and irradiated by a quartz lamp, with a filter passing 250-400 m<math>\mu</math>. When the specimens were kept in the dark 30-60 min. before irradiation, the lethal exposure was shortened by 30-60 min. apparently because of penetration of the colloid into the paramecia. Similar expts. using 1:75,000 diln. of cholic acid instead of benzopyrene showed no such effect even in 3 hrs. Benzinolene coal (known to contain 3,4-benzopyrene) gave results identical with those from the pure substance. Paramecia might be killed not by direct action of radiation but by the fluorescence given off by the hydrocarbon on irradiation. Another possibility was a photochem. reac-</p>							
						<p>tion producing a toxic substance. However, expts. in which a soln. of benzopyrene was interposed between the specimen and the lamp showed that the 1st supposition was false; similarly the 2nd supposition was negated by lack of killing power of the filtered specimen. Hence, the only remaining possibility is that irradiation excites the hydrocarbon to a state which is capable of energy transfer to the proteins of the paramecia, giving a killing reaction. Work is in progress to examine this possibility.</p> <p>G. M. Knudsen</p>	
ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION							
S900H S718229A							
SECTION 01	SERIAL NO. 100000000000000				SECTION 01	EX-100000000000000	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	

BILLIG, E. J.

"The Action of Minimal Doses of Cancerigenic Substances." (p.467) by Billig, E. J. (Moscow). Pogosyants, E.E.

SO: Progress of Contemporary Biology (Uspekki Sovremennoi Biologii) 1948,  
Vol. XXV No. 3, May - June.

BILLIK, Abram Markovich; POZIN, Mark Markovich, kand. ekon. nauk; LOVIKOV, Petr Fedorovich; KAMENITSER, S.Ye., prof., doktor ekon. nauk, retsenzent; MOROZOV, M.V., kand. ekon. nauk, retsenzent; MESHKOV, Yu.K., kand. ekon. nauk, red.; MASLOVA, Ye.F., red.; BRODSKIY, M.P., tekhn. red.

[Organization and planning in refrigeration enterprises] Organizatsiya i planirovanie khodil'nykh predpriatii. Moskva, Gos. izd-vo torg. lit-ry, 1961. 276 p. (MIRA 14:10)  
(Refrigeration and refrigerating machinery)

"APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000205320003-6

APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000205320003-6"

"APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000205320003-6

APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000205320003-6"

BILLY, E. S.

"Recent Advances in Cancer Study Abroad" (p. 157) by Billy, E. S.

SO: Advances in Modern Biology, (Uspekhi Sovremennoi Biologie) Vol. XXIV, No. 1,  
1947 (July-August)

"APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000205320003-6

GAYSKIY, V.N.; BIL'MAN, B.M.

Features of the parameters of the seismic regime and study of the seismicity of Tajikistan. Trudy inst.seism.stroi.i seism 10:48-67 '62.

(Tajikistan—Seismology)

(MIRA 16:5)

APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000205320003-6"

MIKHAYLOV, L.G.; BIL'MAN, B.M.

Conditions for the perfect continuity of operators with a singularity  
of the type of a homogeneous function of the power --l. Dokl. AN  
Tadzh.SSR 8 no.9:3-7 '65. (MIRA 18:12)

1. Fiziko-tehnicheskiy institut imeni S.U.Umarova AN Tadzhikskoy  
SSR. Submitted April 13, 1965.

1. MOVSESOV, N. S.; BIL'MES, I. S.
2. USSR (600)
4. Remote Control
7. Remote control of oil switches at compressor stations. Energ. biul. No. 2, 1953.

9. Monthly List of Russian Accessions, Library of Congress, May 1953. Unclassified.

BIL'MES, I.Ya.; DOL'NIKOV, L.M.

Improving working conditions in trimming and sandblast shops.  
Mashinostroitel' no.11:34 N '61. (MIRA 14:11)  
(Factory management)

"APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000205320003-6

BIL'INOVICH, A. A.

BIL'INOVICH, A. A. -- "INVESTIGATION OF THE PROCESS OF DRYING APPLES BY A COMBINED METHOD."  
SUB 24 SEPT 52, MOSCOW TECHNOLOGICAL INST OF FOOD INDUSTRY (DISSERTATION FOR THE DEGREE  
OF CANDIDATE IN TECHNICAL SCIENCES)

SO: VECHERNAYA MOSKVA, JANUARY-DECEMBER 1952.

APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000205320003-6"

BIL'NEVICH, S.V.

"Accuracy of Judging Water Flow by Means of Statistical Parameters"  
Iz. Ak. Nauk BSSR, Otdel. Tekh. Nauk, no. 7, 1940.  
Submitted 27 Apr 1940

"APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000205320003-6

APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000205320003-6"

ACC NR: AP6036064

(A, N)

SOURCE CODE: UR/0432/66/000/005/0037/0039

AUTHOR: Shprits, E. I.; Flon, V. S.; Bil'o, P. D.

ORG: none

TITLE: A device for the digital print out of parameters

SOURCE: Mekhanizatsiya i avtomatzatsiya upravleniya, no. 5, 1966, 37-39

TOPIC TAGS: printing machinery, digital system, computer output unit

ABSTRACT: A digital printout device used in conjunction with the BNP-20 high speed typewriter is described. The device has been used in the control system for the steam turbine generator of the Staro-Beshevsk State Regional Electrical Power Station. Paper tape with a width of 80 mm is used to record parameters which are entered in two columns in order of increasing numbers. The left column records parameters which deviate from the norm while the right column periodically records an assigned group of parameters. The time is recorded above the parameter column. Each line shows the parameter number (from 000 to 777 using a code with base 8) and a value of the parameter (using a decimal code from 000 to 999). The parameters which have deviated are recorded while those falling with the permissible range of values are omitted. In order to save time and to decrease the dimensions of the form, the deviated parameters can be recorded without providing empty spaces for the omissions. When compiling re-

UDC: 681.142.62

Card 1/2

ACC NR: AP6036064

cords, tape sections are arranged in such a way that successive time values of each parameter appear on one line. The printing of the deviated parameters and periodic recording is carried out using time intervals which are determined by the operator depending on specific requirements of the process. A block diagram of the electronic portion of the system is presented and discussed. The dimensions of the device are 1050 × 610 × 450 mm. It records 1200 parameters per minute, can handle almost an unlimited number of recorded parameters and is highly reliable. Orig. art. has: 3 figures.

SUB CODE: 09/ SUBM DATE: none

Card 2/2

L 08970-67 EWT(d)/EWP(v)/EWP(k)/EWP(h)/EWP(l)

ACC NR: AP6029793

SOURCE CODE: UR/0119/66/000/008/0023/0024

AUTHOR: Bil'o, P. D. (Engineer); Shprits, E. I. (Engineer)

56

ORG: none

TITLE: Luminescent display of an information system

SOURCE: Priborostroyeniye, no. 8, 1966, 23-24

TOPIC TAGS: display panel, luminescent <sup>material</sup> display, automatic control, steam power plant, signal processing

ABSTRACT: A functional diagram and principal transistorized circuit diagram of an output unit with a luminescent display are shown. The unit, which is a part of a boiler-turbine automatic control system, performs these operations: storing error signals, detecting new error signals, changing signal shape upon its acknowledgment by the human operator, controlling an audible signal, cancelling

Card 1/2

UDC: 62.523.8:666.265

L 08970-67

ACC NR: AP6029793

the error signal after the controlled parameter has returned to normal. Standard Soviet-made equipment is used. Laboratory tests proved that the unit can operate within an ambient temperature of 15-50C and a supply-voltage variation of ± 10%.  
Orig. art. has: 2 figures.

SUB CODE: 13, 09 / SUBM DATE: none

Card 2/2 nst

L 04679-67	EWT(m)/EWP(t)/ETI/EWF(k)	LJP(c)	JD/HW
ACC NR: AR6020942	SOURCE CODE: UR/0137/66/000/002/D038/D038		
AUTHOR: <u>Bilobran, B. S.</u> 25 13			
TITLE: Change in wall thickness and displacement of the neutral axis during cold bending			
SOURCE: Ref. zh. Metallurg, Abs. 2D262			
REF SOURCE: Sb. Razrabotka met. rezaniyem i davleniyem. M., Mashinostroyeniye, 1965, 132-139			
TOPIC TAGS: metal bending, metal tube			
TRANSLATION: Plastic bending of <u>thin-walled tubes</u> is analyzed and the relation for determining the wall thickness after bending and the displacement of the neutral axis is presented. The neutral axis was displaced during plastic bending to the side of the concave portion. The amount of neutral axis displacement linearly depended on the ratio of the average radius of tube radius $r$ to the radius of bending $R$ and on the strain hardening properties of the tube material. Upon increase in the ratio $r/R$ , the amount of displacement is increased; upon increase of the relative strength modulus, it is decreased. The neutral axis displacement results in a change of wall thickness of the tube. With an increase in displacement, wall thinning on the side of the convex portion of the tube increased while the thickening of the concave portion of the tube decreased. 3 figures, 1 table. L. Kochenova.			
SUB CODE: 11.13 Card 1/1 fv UDC: 621.774.001			

"APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000205320003-6

BILOBRAŃ, Stanisława

Determination of cyanides in electroplating waste waters.  
Inst mech precyz ll no.40:55-61 '63.

APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000205320003-6"

BILOERAN, Stanislaw

The versenate method of determining copper, zinc, and cadmium  
in galvanic waste waters. Inst mech precys 12 no.3:35-42  
'64.

BALICKA, Natalia; BŁODUR-PANTERA, Halina

The influence of atrazine on some soil bacteria. Acta microbiol.  
Pol. 13 no. 2:149-154 '64.

1. From the Department of Agricultural Microbiology, Higher  
School of Agriculture, Wrocław, and the Experimental Station  
JUNG, Laskowice Oławskie.

"APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000205320003-6

BILOKIN', I. P.

see BELOKON, I. P.

APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000205320003-6"

L 02135-67 EWT(1) GW  
ACC NR: AP6035994 SOURCE CODE: UR/0021/66/000/006/0797/0800 223

AUTHOR: Bilokrys, L. S.

ORG: Krivoy Rog Mining Institute, Krivoy Rog (Kryvoriz'kyy gornochorudnyy institut)

TITLE: Lithological composition of algal formations in Sarmation deposits of Southern Ukraine

SOURCE: AN UkrSSR. Dopovidi, no. 6, 1966, 797-800

TOPIC TAGS: petrology, stratigraphy/Boryslens'skiy Zaliv Tarkhankut

ABSTRACT: A petrographical, chemical and thermal study of specimens of stromatoliths and oncoliths from the Middle Upper Sarmatiqn deposits of Southern Ukraine revealed their primary dolomitic composition. The stromatoliths and oncoliths form thin intercalations in the calcareous rocks in the Upper Sarmation of Borisfenskiy Zaliv, while on Tarkhankut they are involved in the formation of fairly thick dolomitic series in the upper part of the Middle Sarmation and the lower part of the Upper Sarmation. Geological data indicate that the sedimentation of dolomite occurred under conditions of a sub-saline basin. This paper was presented by Academician AN UkrSSR. V. G. Bondarchuk. V. M. Makarov of Kiev State University assisted the author with some of the studies. The author thanks expedition workers P. O. Pol'ov and E. V. Krasnov for allowing use of the source material. Orig. art. has: 2 figures. [JPRS: 37,058]

SUB CODE: 08 / SUBM DATE: 07Apr65 / ORIG REF: 007

Card 1/1 1/1

0922 0521

T 22964-66 ENT(1) DD  
ACC NR: AP6005939

SOURCE CODE: UR/0238/66/012/001/0070/0078

AUTHOR: Bilokrynyts'kyy, V. S. -- Belokrinitskiy, V. S.

ORG: Laboratory of Biophysics, Institute of Physiology im. O. O. Bohomolets', Academy of Sciences, URSR, Kiev (Laboratoriya biofizyky Instytutu fiziologichiy Akademii nauk URSR)

TITLE: Change in the tigroid substance of neurons under the action of radio waves

SOURCE: Fiziologichnyy zhurnal, v. 12, no. 1, 1966, 70-78

TOPIC TAGS: neurology, neuron, radio wave, radiation biologic effect, nucleus, nucleon interaction, histology, tigroid, morphology

ABSTRACT: A morphological investigation has been carried out of functionally different and spinal cerebral neurons in cats under the effect of large doses of radio waves (power flux density 0.4 — 0.5 w/cm<sup>2</sup>). The animals were irradiated for one hr and killed immediately thereafter. Nissl's method was used in the investigation. The tigroid substance was found to be in different states up to complete fusion in certain neurons. Changes in the shape of neurons, the state, position, and tinctorial properties of the nuclei and nucleoli were found. The neurons were affected by radio waves in different degrees, depending on the functional properties of the neurons and their ontogeny. In determining the functional state of the neurons from the histological point of view, the author makes a point of taking into consideration the state,

Card 1/2

ACC NR: AP6005939

position, and tinctorial properties of the nucleoli, in addition to changes in the state of the tigroid substance and the nuclei. The degree of structural changes in the neurons during the action of a superhigh-frequency field on the organism may be a reliable indicator of the injurious effect of radio waves. Orig. art. has: 4 figures. [Based on author's abstract] [MT]

SUB CODE: 06/ SUBN DATE: 22Jun65/ ORIG REF: 026/ OTH REF: 010/

Card 2/2

BAYARSTANOVA, Zh.Zh.; BILOKUR, V.F.; GUTSALYUK, V.G.; SALTYBAYEV, D.K.;  
SHEVTSOV, D.A.; EL'KES, A.M.

Industrial preparation of bitumens with a high softening point.  
Khim.i tekhn. topl.i masel 6 no.2:33-35 F '61. (MIRA 14:1)

1. Institut khimicheskikh nauk Kazakhskoy SSR, Alma-Ata, i Orskiy  
neftepererabatyvayushchiy zavod.  
(Bituminous materials)

BILONIZHKA, A.D.

## PLATE I BOOK EXPLORATION

SOV/776

Kiev. Goundarstvenny nauchno-issledovatel'skiy i proverkivaniy in-

stitut uglevoy rudyoy, neftegazy i gazonoy proyektirovaniya i

nauchnye raporty. Vol. 1. Dobycha i perebarotka nefti (Sci-

entific Reports of the State Scientific Research and Project

Institute for the Coal, Mineral Oil, and Gas Industry, No.

1. Extraction and Processing of Petroleum) Kiev, 1960. 91

Sponsoring Agencies: Muzdan Goundarstvennaya plannovaya komissiya

pravlyayushchaya nauchno-issledovatel'skiy i proyektirovaniy uglevoy rudyoy, neftegazy i gazonoy

soveta Ministrov Goundarstvennaya plannovaya komissiya

pravlyayushchaya nauchno-issledovatel'skiy i

proyektirovaniy uglevoy rudyoy, neftegazy i gazonoy

soveta Ministrov Goundarstvennaya plannovaya komissiya

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soveta Ministrov Goundarstvennaya plannovaya komissiya

**PURPOSE:** This collection of articles is intended for petroleum

researchers, engineers, and refiners.

**CONTENTS:** The collection of articles deals with the production

and refining of petroleum. Individual articles discuss the

effect of bound water on the deposition of petroleum deposits

under dissolved gas conditions, the effect of pressure on the

viscosity of degassed petroleum, the structure of high-mole-

culear petroleum hydrocarbons, the structure of high-mole-

culear carbanions and carbanionates, the properties of alkyl-

aliphatic compounds and alkyl aryls, asphaltene and the

formation of the CO and H<sub>2</sub> product of synthesis. Other articles

discuss the carbonyl deoxygenating method for filtering of wax de-

oxidized petroleum and the investigation of six-membered aromatic and naphthalic hydrocarbons by means of infrared absorption

spectra. The remaining articles are on the relations of pressure-

volumen-temperature-ethane and on the phase equilibrium of

ethylene-octane, ethylene-cyclohexane, and ethylene-benzene

systems. Specific volumes and compression coefficients at

S/081/61/000/011/032/040  
B103/B202

AUTHORS: Rudakova, N. Ya., Bilonizhka, A. D., Krimerman, S. Z.

TITLE: Carbamide deparaffination of filtrates of paraffin production from the Dolina and Borislav petroleum

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 11, 1961, 483, abstract 11M193 (11M193). ("Nauchn. zap. Gos. n.-i. i proyektn. in-t ugol'n., rudn., neft. i gaz. prom-sti Ukrniiprojekt", 1960, vyp. 83 - 85)

TEXT: Medium oil fractions of the petroleum from the Dolina and Borislav deposits boiling out in the temperature range 260 - 500°C and solidifying at 28 - 33°C contain up to 33% solid paraffin hydrocarbons and supply raw material for the production of petroleum paraffin. 18 - 20 % paraffin and 82 - 80 % filtrate were obtained from the paraffin distillate by means of the filter press method. The filtrate contains up to 8.4 % paraffin, its solidification point lies at +9°C. To obtain a filtrate with a relatively low solidification point and easily meltable paraffins a carbamide deparaffination of the filtrate of the paraffin production was

Card 1/2

MALASHEVSKIY, V.V.; KUDRIAVCEVA, I.A.

Schoenite crystals from potassium deposits in the Carpathian  
Mountain region. Min.sbor. 18 no.1:99-104 '64.

(MIRA 18:5)

I. Gosudarsivannyy universitet imeni Ivana Franko, L'vov.

BILONIZHKA, P.M.

Bromine concentration in kainite from the potassium deposits of  
the Carpathian Mountain region. Min.sbor. 18 no.2:210-214 '64.  
(MIRA 18:5)

1. Gosudarstvennyy universitet imeni Ivana Franke, Lvov.

BILONIZHKA, P.M.; MALASHEVSKIY, V.V.

Kainite crystals of the Stebnik potassium deposit in the  
Carpathian Mountain region. Min. sbor. no.15:277-284 '61.  
(MIRA 15:6)

1. Gosudarstvennyy universitet imeni Ivana Franko, L'vov.  
(Carpathian Mountain region--Kainite crystals)

MALASHEVSKIY, V.V.; BILONIZHKA, P.M.

Hexahydrite from the salt deposits in the cis-Carpathian region.  
Min. sbor. no.16:441-445 '62. (MIRA 16:10)

1. Gosudarstvenny universitet imeni Ivana Franko, L'vov.  
(Carpathian Mountain region—Hexahydrite)

5.1100

77540  
SOV/65-60-2-6/15

AUTHORS: Rudakova, N. Ya., Krimerman, S. Z., Bilonizhko, A. D.

TITLE: Utilization of Heavy Oil Fractions of the Ukrainian  
Paraffin-Base Crude Oils

PERIODICAL: Khimiya i tekhnologiya topliv i masel, 1960, Nr 2  
pp 27-30 (USSR)

ABSTRACT: The heavy paraffin oils, i.e., fractions over 500° C,  
have been separated for years from the Ukrainian  
crude oils of the Borislav, Dolina, and Bitkov  
deposits in amounts of 8 to 10%, and are not utilized  
thus far. The authors examined the possibility of  
producing lubricants and solid hydrocarbons from them.  
The experimental fraction from Dolina crude oil had  $d_4^{20}$  =  
= 0.9147 sp gr; 57.158 and 14.54 centistokes viscosity  
at 60 and 100° C respectively; solidification point =

Card 1/4

Utilization of Heavy Oil Fractions of the  
Ukrainian Paraffin-Base Crude Oils

77546  
SOV/65-00-2-6-/15

and can be used for the production of technical  
vaseline, cannon lubricants, etc. Its ceresin content  
was extracted by distillation at 475 - 590° C under  
vacuum in the amount of 59% of the distilled "gach."  
The properties of the obtained ceresin were the same  
as of commercial standards. There are 3 tables; and  
1 figure.

ASSOCIATION: First Drogobych Oil Refinery (1-yy Drogobycheskiy NPZ)

Card 5/4

Utilization of Heavy Oil Fractions of the  
Ukrainian Paraffin-Base Crude Oils

T7546  
SOV/65-60-2-6/15

TABLE I

SUBSTANCE	YIELD %	SOLID POINT °C.	ML. WT	FLUCIDITY AT 100°C. UNPRED.	SP GR	
					20°C	70°C
METHYLETHANE AS SOLVENT						
SOLID HYDROCARBONS OF II STAGE	10.72	-70	572	7.45		
SOLID HYDROCARBONS OF II STAGE OF OIL EXTRACTION	6.50	-44	473	8.30	c. 8391	c. 8275
OIL	77.82	+5	437	20.01	c. 9372	c. 901
ALCOHOL: BENZENE, 1:1 AS SOLVENT						
SOLID HYDROCARBONS OIL	23.66	-63		8.68	c. 8571	c. 8222
	72.16	+18		7.63	c. 9522	c. 8988
ACETONE: BENZENE, 4:1 AS SOLVENT						
SOLID HYDROCARBONS OIL	38.5	-1	556	7.63	c. 8685	c. 8323
	59.5	-2	757	22.85	c. 9462	c. 9152

Card 4/4

RUDAKOVA, N.Ya., kand. tekhn. nauk; SHEREMETA, B.K., kand. tekhn. nauk;  
KOLOSYUK, R.T.; MEL'NIK, A.A.; CHURAKOV, P.I.; KRIMERMAN, S.Z.;  
BILONIZHKO, A.D.

Obtaining commercial paraffins and fuel oils by the destructive  
distillation of a heavy paraffin lubricant derived from western  
Ukraine oils. Neft. i gaz. prom. no.2:53-56 Ap-Je '63.

(MIRA 17:11)

1. Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy institut  
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BILLOT, J.L.; KAWSKI, A.

Spectroscopic determination of dipole moments of excited  
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1. Physikalisches Institut, Pädagogische Hochschule, Gdańsk.

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CIA-RDP86-00513R000205320003-6"

RIEDRZYCKA, D.; BILOT, L.; KAWSKI, A.; KORBA, M.

Influence of polar molecules of the solvent on the electronic spectra of yellowish eosine. Bul Ac Pol mat 10 no.11;611-616 '62.

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Spectroscopic determination of electric dipolemoments of  
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ACC NR: AP6000645

SOURCE CODE: P0/0045/65/028/002/0261/0270

AUTHOR: Bilot, L. (Gdansk-Wrzeszcz)ORG: Department of Physics, Higher Pedagogical School, Gdansk, PolandTITLE: Effect of intermolecular interactions on the probabilities of optical transitions for a molecule in solutionSOURCE: Acta physica polonica, v. 28, no. 2, 1965, 261-270TOPIC TAGS: intermolecular force, particle interaction, optic transition, absorption coefficient, dielectric property

ABSTRACT: The effect of dipole-type intermolecular interactions on the probabilities of optical transition was investigated. Equations relating to the absorption coefficient and mean lifetime in the excited state with the dielectric properties of the solution are suggested. In solutions, strong short-range interactions due to exchange bonds occur in particular cases only, whereas remote electric interactions of a dipole nature are always present. Orig. art. has: 3 figures and 38 formulas. [Based on author's abstract] [NT]

SUB CODE: 20/ SUBM DATE: 09Sep64/ OTH REF: 009/ SOV REF: 005

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[Materials on the study of the natural resources of Podolia] Materialy do vychennia pryrodnykh resursiv Podillia. Kremenets', Kremenets'kyi derzhavnyi pedagog. in-t, 1963. 199 p. (MIRA 17:7)

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BILLOV, Ye.

Stands for assembling and disassembling ZIS-120 engines. Avt.transp.  
34 no.3:24-25 Mr '56. (Automobiles--Engines) (NIRA 9:7)

BILOV, Ya., kandidat tekhnicheskikh nauk; NALEVANOV, A., inzhener;  
GONCHARUKHO, L., inzhener.

Equipment used in removing scale from cylinder blocks and heads  
in automobile engines. Avt.transp. 35 no.7:23-24 Jl '57.

(MLRA 10:8)

(Automobiles--Engines--Cylinders)

"APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000205320003-6

BILOV, Ye., kand.tekhn.nauk

Repair of basic surfaces of cylinder blocks in the Zil-120 engine.  
Avt.transp. 36 no.8:25-27 Ag '58. (MIRA 11:9)  
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APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000205320003-6"

AUTHOR: Bilov, Ye.S., Candidate of Technical Sciences 117-58-6-5/36

TITLE: Devices for Boring (Prisposobleniya dlya rastochki)

PERIODICAL: Mashinostroitel', 1958, Nr 6, pp 11-13 (USSR)

ABSTRACT: In the Kiyevskiy avtoremontnyy zavod (Kiyev Motorcar Repair Plant) a turning and screw-cutting machine has been modernized and special devices have been developed to facilitate the processing of bearings and bushes in the ZIL-120 engine. The VDF turning lathe (Figure 1) has been modernized by lifting the front chuck and by installing a two-spindle head on the lathe. The upper spindle makes 200, the lower 600 rpm. The centering opening of the clutch casing is made by means of a special device (Figure 2), which is also used for the centering of the crank bearings. There are 2 figures.

AVAILABLE: Library of Congress

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BILOV, Yefim Solomonovich, kand.tekhn.nauk; SHTREM, O.F., red.;  
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RSFSR, 1960. 59 p.  
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Surgical and antibiotic therapy of typhoid peritonitis. Cas.lek.  
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typhoid fever, antibiotic ther. & surg.)

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Clostridium perfringens (Cx))